

METHOD AND APPARATUS FOR LOGICALLY  
EXPANDING THE WIDTH OF MEMORY

ABSTRACT OF THE DISCLOSURE

A method and apparatus for minimizing memory required for storing non-binary width data structures is disclosed. The non-binary width data structure is segmented into plural segments . The segments are stored in a plurality of memory blocks. Mapper logic maps a logical address to a physical address in the memory blocks to access non-binary width entries in the non-binary width data structure stored in the memory blocks.

2037.2008-001